

# DATACOPI

1968 Concourse Drive  
San Jose, CA. 95131  
(408) 946-9311

## PAGINATION SHEET

Job Description

Input ~~Box~~ w/o # 35184

Special Instructions

Do Legal Presentation

67# Grey 60# White

FRONT BACK

PAGE 1 OF       

o Fed. o Network o Trends o	1	2
--------------------------------------	---	---

3	4
---	---

5	6
---	---

7	8
---	---

9	10
---	----

11	12
----	----

13	14
----	----

15	16
----	----

17	18
----	----

19	20
----	----

21	
----	--

--	--

--	--

--	--

--	--

--	--

--	--

--	--

--	--

--	--

--	--

--	--

--	--

--	--



60# grey  
single

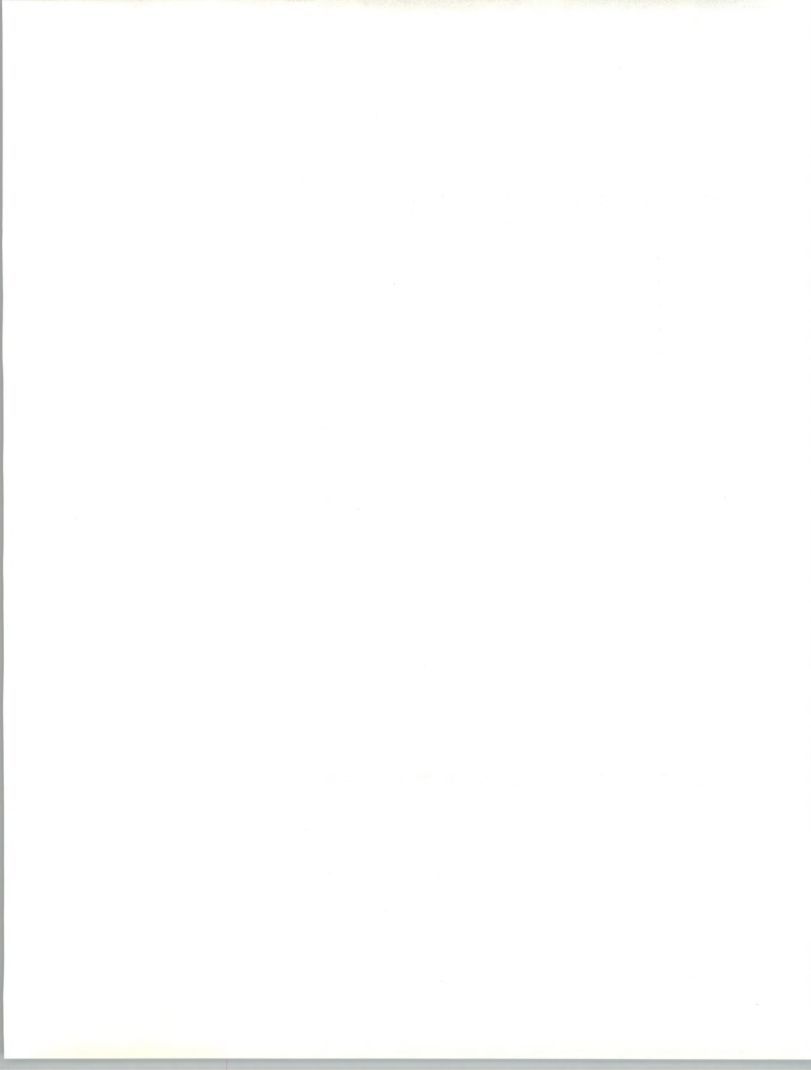
INPUT®

---

## FEDERAL NETWORK TRENDS

James E. Dolezal  
Chief, Division of Telecommunications  
Office of Information Resources Management  
U.S. Department of the Interior

---



60# white

B/B

TELECOMMUNICATIONS REQUIREMENTS  
OF THE  
DEPARTMENT OF THE INTERIOR

- I. THE INTERIOR ORGANIZATION
  - A. MISSION
  - B. A DECENTRALIZED WESTERN AGENCY
  - C. BUREAU MANAGEMENT
- II. CURRENT TELEPHONE SERVICES AND FACILITIES
  - A. FTS INTERCITY VOICE NETWORK
  - B. WATS AND MTS/DDD
  - C. LOCAL SERVICES
- III. CURRENT DATA COMMUNICATIONS SERVICES
  - A. MULTIPLE PRIVATE NETWORKS
  - B. DIAL-UP VAN, FTS, AND MTS/DDD SERVICES
- IV. STRATEGIC DIRECTION
  - A. SECRET FOR DATA COMMUNICATIONS
  - B. UPGRADE TELEPHONE SYSTEMS TO DIGITAL SERVICES
  - C. DEPEND ON INDUSTRY/GSA TO PROVIDE TRANSMISSION ECONOMIES
- V. FUTURE
  - A. KNOW REQUIREMENTS
  - B. HAVE FLEXIBILITY



## U.S. DEPARTMENT OF THE INTERIOR

### MISSION

AS THE NATION'S PRINCIPAL CONSERVATION AGENCY, THE DEPARTMENT OF THE INTERIOR HAS RESPONSIBILITY FOR MOST OF OUR NATIONALLY OWNED PUBLIC LANDS AND NATURAL RESOURCES. THIS INCLUDES FOSTERING THE WISEST USE OF LAND AND WATER RESOURCES, PROTECTING OUR FISH AND WILDLIFE, PRESERVING THE ENVIRONMENT AND CULTURAL VALUES OF OUR NATIONAL PARKS AND HISTORICAL PLACES, AND PROVIDING FOR THE ENJOYMENT OF LIFE THROUGH OUTDOOR RECREATION. THE DEPARTMENT ASSESSES THE DEVELOPMENT OF OUR MINERAL RESOURCES AND HAS A MAJOR RESPONSIBILITY FOR AMERICAN INDIAN RESERVATION COMMUNITIES AND FOR PEOPLE WHO LIVE IN ISLAND TERRITORIES.

### FACILITIES

THE JURISDICTION OF THE DEPARTMENT OF THE INTERIOR INCLUDES THE ADMINISTRATION OF OVER 550 MILLION ACRES OF FEDERAL, INDIAN, AND TRUST TERRITORY LANDS. OFFICES AND BUREAUS OF THE DEPARTMENT OF THE INTERIOR ARE LOCATED IN NEARLY 2000 LOCATIONS IN THE 50 STATES, THE DISTRICT OF COLUMBIA, PUERTO RICO, THE VIRGIN ISLANDS AND U.S. TERRITORIES IN THE PACIFIC.

### EMPLOYEES

75,035

4





U.S. DEPARTMENT OF THE INTERIOR  
BUREAUS

NATIONAL PARK SERVICE

U.S. FISH AND WILDLIFE SERVICE

BUREAU OF INDIAN AFFAIRS

BUREAU OF LAND MANAGEMENT

OFFICE OF SURFACE MINING

MINERALS MANAGEMENT SERVICE

U.S. GEOLOGICAL SURVEY

BUREAU OF RECLAMATION

BUREAU OF MINES



**Federal Lands of the U.S.**



Representative Map from 1970 Data



U.S. Department of the Interior  
Primary Office Locations





## TELECOMMUNICATIONS MANAGEMENT ORGANIZATION

### BUREAUS

- SEPARATE MANAGEMENT AREAS FOR:
  - RADIO
  - TELEPHONE SYSTEMS
  - DATA COMMUNICATIONS NETWORKS
- ORGANIZED FOR MISSION AND PROGRAM EFFICIENCY AND EFFECTIVENESS
- FUNDED THROUGH SEPARATE APPROPRIATION ORGANIZATIONS
- MOST CONCENTRATE ACTIVITIES IN THE WESTERN STATES
- HEAVY CONCENTRATION OF RADIO SYSTEMS IN REMOTE AREAS
- MANY EXCLUSIVE USE SWITCHBOARDS AND DATA NETWORKS





DIGITAL TELEPHONE SWITCH UPGRADES

METAIRIE, LA (MMS)

MENLO PARK, CA (USGS)

WASHINGTON, DC (DOI)

DENVER, CO (GSA/DOI)



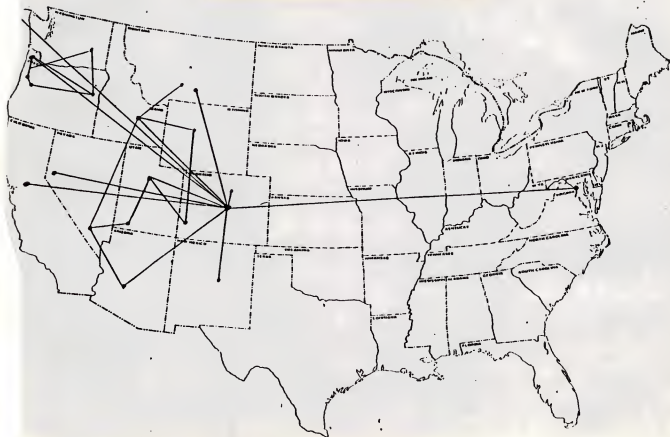
TELEPHONE SERVICES AND FACILITIES  
(FY 1985 ESTIMATES)

<u>OFFICE/BUREAU</u>	<u>FTS INTERCITY</u>	<u>AT&amp;T WATS</u>	<u>AT&amp;T TOLL</u>	<u>LOCAL SERVICE</u>
OFFICE OF THE SECRETARY	\$1,103,000	-	-	-
NATIONAL PARK SERVICE	3,073,000	-	-	-
FISH AND WILDLIFE SERVICE	2,604,000	-	-	-
BUREAU OF INDIAN AFFAIRS	2,980,000	-	-	-
BUREAU OF LAND MANAGEMENT	1,959,000	-	-	-
OFFICE OF SURFACE MINING	248,000	-	-	-
MINERALS MANAGEMENT SERVICE	183,000	-	-	-
GEOLOGICAL SURVEY	4,144,000	-	-	-
BUREAU OF RECLAMATION	1,666,000	-	-	-
BUREAU OF MINES	<u>670,000</u>	<u>-</u>	<u>-</u>	<u>-</u>
TOTAL	\$18,630,000	\$1,016,000	\$2,918,000	\$22,500,000*

\* \$25/MONTH X 12 MONTH/YEAR X 75,000 EMPLOYEES = \$22,500,000/YEAR



BUREAU OF LAND MANAGEMENT





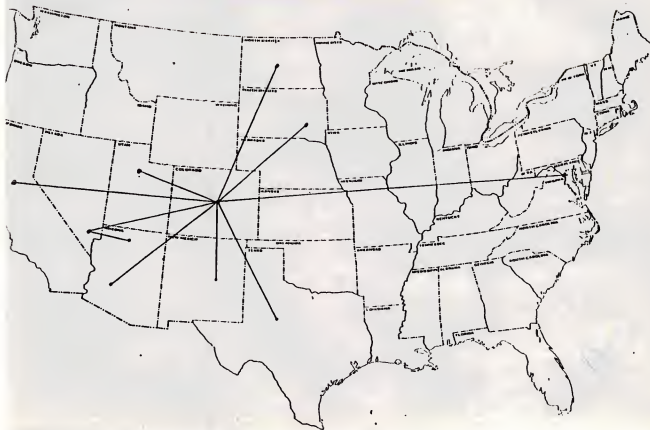
BUREAU OF MINES





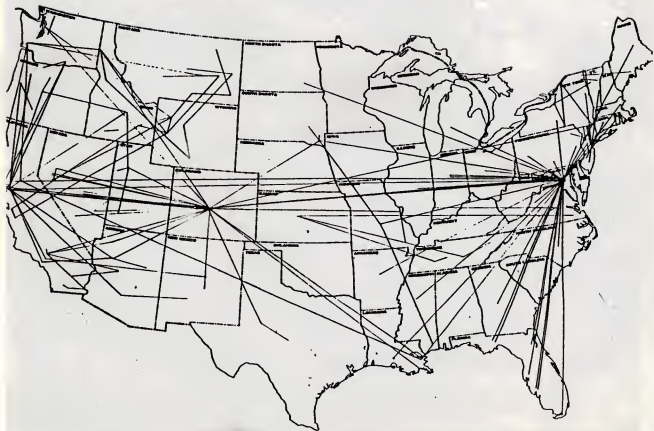


BUREAU OF RECLAMATION

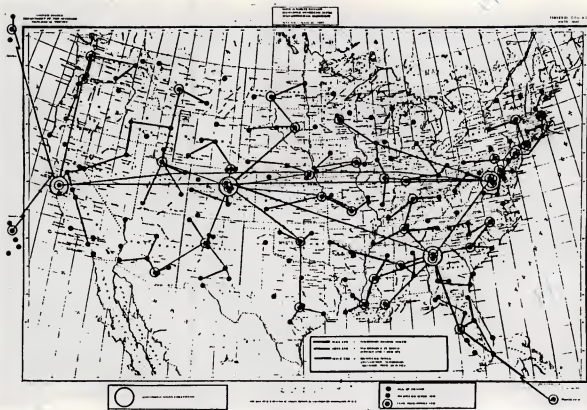




U.S. GEOLOGICAL SURVEY









FY 1985 ESTIMATED  
TELECOMMUNICATIONS COSTS

RADIO COMMUNICATIONS SYSTEMS

FACILITY VALUATION . . . . .	\$1,000,000.000
ANNUAL COSTS . . . . .	\$10,000,000

TELEPHONE SYSTEMS AND SERVICES

OWNED SWITCH VALUATION . . . . .	\$11,000,000
ANNUAL COST	
FTS INTERCITY . . . . .	\$18,630,000
AT&T TOLL . . . . .	2,918,000
AT&T WATS . . . . .	1,016,000
LOCAL SERVICES . . . . .	<u>22,500,000</u>
	\$45,064,000

DATA COMMUNICATIONS NETWORK SERVICES

OWNED EQUIPMENT VALUATION

ANNUAL COSTS

INTERSTATE AT&T PRIVATE/FX LINES . . . . .	\$5,450,000
INTRASTATE AT&T PRIVATE LINES . . . . .	744,000
VALUE ADDED NETWORK SERVICES . . . . .	4,000,000
LEASED MODEMS/MULTIPLEXERS . . . . .	<u>675,000</u>
	\$8,869,000





## **GEONET Features**

- X.25 Interface
- Packet Switching
- Nationwide Service
- 800 (Wats) Service
- 24 Hour Maintenance
- Network Control Center
- Single Point of Contact
- Rapid Response to Changing Needs
- Value Engineering
- Voice Potential (Future)



# GEONET





## STRATEGIC DIRECTIONS

- FORMULATE AN INTEGRATED TELECOMMUNICATIONS PROGRAM
- IMPROVE THE USE OF PERSONNEL, FISCAL, AND SKILL RESOURCES
- ESTABLISH GUIDELINES TO PROVIDE INFORMATION REGARDING TELECOMMUNICATIONS FACILITY/RESOURCES COSTS, UTILIZATION, EFFECTIVENESS, AND AUDITABILITY/ACCOUNTABILITY
- FORMALIZE THE PLANNING PROCESS
- DOCUMENT MULTI-YEAR DEVELOPMENT AND BUDGETING PROJECTS
- PROMULGATE STANDARDS TO IMPROVE INTERCONNECTIVITY AND COORDINATED ACQUISITION EFFORTS
- ESTABLISH FORMAL FISCAL AND PERSONNEL FUNCTIONS RELATING TO TELECOMMUNICATIONS ACTIVITIES
- DEVELOP ORGANIZATIONAL AND FUNCTIONAL AREAS OF RESPONSIBILITY AND ACCOUNTABILITY IN THE DEPARTMENT AND BUREAUS
- ESTABLISH COST RECOVERY AND CHARGE-BACK ALGORITHMS FOR DEPARTMENT-WIDE APPLICATION
- DEVELOP LAYERED TRAINING PROGRAMS TO ENHANCE THE SKILL LEVELS OF PERSONNEL
- PROMOTE THE INTEGRATION AND SHARING OF INTER-CITY COMMUNICATIONS CHANNELS



- PROVIDE MULTIPLE USER CONCENTRATION CAPABILITIES
- ENHANCE OPERATIONAL AND UTILIZATION MANAGEMENT FUNCTIONS
- IMPROVE MAJOR CENTER AND INDIVIDUAL LOCATION SWITCHING AND MANAGEMENT INFORMATION CAPACITY
- DEVELOP SUPPORT FOR UNIVERSALLY USED APPLICATIONS/SERVICES
- IMPROVE THE SUPPORT SERVICES FOR SPECIFIC MISSIONS OR PROGRAMS





U.S. Department of the Interior  
Future Integrated Voice/Data T1 Carrier Backbone Network





60# white  
single

**James E. Dolezal**

Mr. Dolezal is Chief, Division of Telecommunications Office of Information Resources Management, responsible for Interior Department telecommunications planning, analysis, design, and implementation of telephone, data, and radio communication services.

He began his career in telecommunications as shipboard communications system design engineer at the Naval Ship Engineering Center, designing shipboard communications systems, participating in the development of the Navy's first shipboard computer controlled communications switching system, and providing leadership in the implementation of a Communications System Operational Test Program. As a communications engineer with the Defense Communications Agency in Stuttgart, Germany, he designed and implemented telecommunication networks throughout the European Continent.

In 1978 he joined the Data Engineering Branch of the General Services Administration, optimizing data communications network designed and evaluating tariffed carrier offerings as they applied to Federal users. In procuring Value-Added Network (VAN) services, he initiated an innovative procurement method for obtaining such services and implemented the Centralized VAN Billing Program which allowed agencies the maximum economy of scale benefits from tariffed volume discounts. When the Selective Service System was revitalized in 1980, he became their Telecommunications Manager, designing and implementing a national telecommunications network to satisfy their increased mission requirements due to the reinstatement of peacetime registration.

Mr. Dolezal has a B.S.E.E. degree from the Illinois Institute of Technology and an M.B.A. degree from the University of Utah. He is a registered Professional Engineer in the District of Columbia.

